

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19	(drill adj bit) near3 size near3 (pipe string)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/02/15 16:22
L2	0	(drill adj bit) near3 size near3 (pipe string) near3 (larger bigger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/02/15 16:23
L3	5	bit near3 size near3 (pipe string) near3 (larger bigger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/02/15 16:24
L4	36	bit with relative with size with (pipe string)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/02/15 16:25
L5	2479	(175/57,262,257,284,61).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/02/15 16:49
S1	3	("4391547" "5078650" "5244050").PN.	US-PGPUB; USPAT	OR	ON	2006/03/03 16:20
S2	4	((("6233524") or ("5560437"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/03 16:20
S3	13	("2086682"   "3007750"   "3137354"   "3329222"   "4287957"   "4397363"   "4619335"   "4886131").PN. OR ("5244050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 19:08
S4	15	("2179010"   "2284580"   "3052838"   "3112442"   "3429387"   "3700049"   "5244050"   "5589825").PN. OR ("6269891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 19:59

## EAST Search History

S5	126	mwd and "175"/\$.ccls. and steering and deviated	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 14:08
S6	40842	"175"/\$.ccls. drilling and (retrievable near3 rotor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 13:50
S7	2	"175"/\$.ccls. and drilling and (retrievable near3 rotor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 14:44
S8	180	mwd and "175"/\$.ccls. and steering and (rotary near3 drilling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 14:09
S9	37	runia.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 14:32
S10	15	("2179010"   "2284580"   "3052838"   "3112442"   "3429387"   "3700049"   "5244050"   "5589825").PN. OR ("6269891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 14:34
S11	3	"175"/\$.ccls. and drilling and (retrievable near6 rotor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 14:44
S12	7	"175"/\$.ccls. and drilling and (retrievable same rotor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 15:45
S14	2321	(175/57,262,257,284,61).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 21:28

## EAST Search History

S15	13	(US-20020088648-\$).did. or (US-6948572-\$ or US-3052838-\$ or US-3112442-\$ or US-5931239-\$ or US-5560437-\$ or US-6233524-\$ or US-4391547-\$ or US-5244050-\$ or US-3700049-\$ or US-5078650-\$ or US-5667023-\$ or US-6340063-\$). did.	US-PGPUB; USPAT	OR	ON	2006/08/03 20:58
S16	7	S15 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 20:58
S17	2386	(175/57,262,257,284,61).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 21:28
S18	65	S17 and (@pd>"20060304")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/15 16:49